

ABSTRACT**CODING DEVICE AND COMMUNICATION SYSTEM USING THE SAME**

5 A coding device comprises a coding circuit for converting a digital input
into a coded output having a greater number of bits than the input, an
interleaving circuit for combining a plurality of words of the coded output and
producing therefrom a data block comprising a plurality of the interleaved words,
and a puncturing circuit or repeating circuit for puncturing or repeating bits
10 from the data block. The puncturing or repeating circuit uses a deleting or
repeating pattern to provide data words for transmission during respective
frames of a transmission channel. The deleting or repeating pattern is selected
depending upon the characteristics of the coding circuit and of the interleaving
circuit. The coding device is for use in a cordless communication system.